

## **ABSTRACT**

The present invention is directed to a method for analyzing the maintenance status of liquid-filled electric equipment. An accurate indication of the maintenance state of an electric device and its insulating liquid is obtained using an analysis method comprising a particle analysis of suspended particles and sediment contained in the liquid. The analysis method can further comprise a chemical analysis of the insulating liquid. This analysis results in profiles of the liquid that give an accurate indication of the maintenance state of the electric device.